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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Wen Gao; Joshua Lawrence Koslov; Kumar Ramaswamy
Filed : Herewith
For : METHODS AND APPARATUS FOR HIERARCHICAL
MODULATION USING RADIAL CONSTELLATION

PRELIMINARY AMENDMENT

Commissioner for Patents
MAIL STOP PCT
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In the US national phase application of **PCT/US2004/022780** filed
herewith, please file the following amendments and enter remarks as follows:

Amendments to the Title begin on page 2 of this paper.

Amendments to the Specification begin on page 3 of this paper.

Remarks begin on page 4 of this paper.